

## From the INTERNATIONAL BUREAU

# **PCT**

NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 72.2)

To

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Date of mailing (day/month/year) 10 February 2005 (10.02.2005)	
Applicant's or agent's file reference RDC50M/PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/005358	International filing date (day/month/year) 25 April 2003 (25.04.2003)
Applicant JAPAN SCIENC	E AND TECHNOLOGY AGENCY et al

# 1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

EP

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

US

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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Form PCT/IB/338 (July 1996)

# Translation

# PATENT COOPERATION TREATY



# **PCT**

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference RDC50M/PCT	FOR FURTHER ACTI	See Notification of Transmittal of Interna Preliminary Examination Report (Form PCT/IPEA				
International application No.	International filing date (	lay/month/year)	Priority date (day/month/year)			
PCT/JP2003/005358	25 April 2003 (2	5.04.2003)	02 May 2002 (02.05.2002)			
International Patent Classification (IPC) or national classification and IPC C12Q 1/68						
Applicant  JAPAN SCIENCE AND TECHNOLOGY AGENCY						
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> </ol>						
2. This REPORT consists of a total of	sheets, inc	luding this cover s	heet.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of sheets.						
3. This report contains indications rela	ting to the following items:					
I Basis of the report	I Basis of the report					
II Priority	II Priority					
III Non-establishment	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of inv	ention					
v Reasoned statement citations and explan	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents of	pited .		•			
VII Certain defects in th	e international application					
VIII Certain observations on the international application						
· · · · · · · · · · · · · · · · · · ·						
Date of submission of the demand	Da	Date of completion of this report				
30 July 2003 (30.07.2003)		01 April 2004 (01.04.2004)				
Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Telephone No.				

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/005358

I. Basi	s of the report	
1. Wit	h regard to the clements of the international application:*	
$\boxtimes$	the international application as originally filed	
	the description:	
	pages	, as originally filed
	pages	
	pages	, filed with the letter of
	the claims:	
	pages	, as originally filed
		, as amended (together with any statement under Article 19
	pages	, filed with the demand
		, filed with the letter of
	the drawings:	
	pages	, as originally filed
	pages	, filed with the demand
		, filed with the letter of
	the sequence listing part of the description:	
	· •	as originally filed
	pages	, as originally filed , filed with the demand
. •		, filed with the letter of
The I	the language of publication of the international application the language of the translation furnished for the purposes of the language of publication of the international application the language of the translation furnished for the purpose or 55.3).	international search (under Rule 23.1(b)).
preli	minary examination was carried out on the basis of the sequ	ence listing:
M	contained in the international application in written form.  filed together with the international application in comput	
H	furnished subsequently to this Authority in written form.	er readable form.
Ħ	furnished subsequently to this Authority in computer reads	able form
		a sequence listing does not go beyond the disclosure in the
$\boxtimes$		er readable form is identical to the written sequence listing has
4.	The amendments have resulted in the cancellation of:	
	the description, pages	
	the claims, Nos.	
	the drawings, sheets/fig	
5.		ments had not been made, since they have been considered to go ental Box (Rule 70.2(c)).**
in thi and 7	is report as "originally filed" and are not annexed to 1 [0.17].	Office in response to an invitation under Article 14 are referred to his report since they do not contain amendments (Rule 70.16
Any r	eplacement sheet containing such amendments must be refer	rea to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP 03/05358

V. R	Reasoned statement under Article 35( itations and explanations supporting	2) with regard to such statement	novelty, inventive step or industrial applica	bility;
1.	Statement			
	Novelty (N)	Claims	1-4	YES
		Claims		NO
	Inventive step (IS)	Claims	1-4	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-4	YES
	•	Claims		NO

# 2. Citations and explanations

The inventions set forth in claims 1-4 involve an inventive step relative to the documents cited in the international search report. Document 1 (Proc. Acad. Sci. USA, 2000, Vol. 97, No. 6, pp. 2791-2796) discloses the discovery of expression of Wnt10B in the synovium in three of five cases of rheumatoid arthritis (RA). However, when tissues from RA and osteoartritis (OA) were compared, selective expression of wnt5a and fz5, and not of Wnt108, was noted in RA.

In contradiction of the aforementioned findings, the present applicant has discovered that Wnt108 is expressed selectively in RA; and since applicant's discovery is unexpected and could not be deduced from the prior art documents, the inventions set forth in claims 1-4 could not be conceived easily by a person skilled in the art.